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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/607,758

06/27/2003

Jae-Hyun Ryou

H0004788

7402

22913

7590

04/20/2006

WORKMAN NYDEGGER  
(F/K/A WORKMAN NYDEGGER & SEELEY)  
60 EAST SOUTH TEMPLE  
1000 EAGLE GATE TOWER  
SALT LAKE CITY, UT 84111

EXAMINER

NGUYEN, TUAN N

ART UNIT

PAPER NUMBER

2828

DATE MAILED: 04/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER
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ART UNIT	PAPER
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03232006

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

See attached examiner's amendment

*[Handwritten signature]*  
FORWARDED TO  
FILE

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below, to the amended claims 5-8 should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview on March 6, 2006 with (Attorney for Applicant Mr. Kevin Stinger, Reg. No. 48,959).

5. **(Currently Amended)** The VCSEL of claim ~~44~~1, further comprising a thermally conductive material connected to said thermally conductive ~~cover~~ layer.

6. **(Currently Amended)** The VCSEL of claim 5, wherein said ~~top~~ second mirror comprises InP based material.

7. **(Currently Amended)** The VCSEL of claim 6, wherein said ~~top~~ second mirror is designed for reflecting some radiation having a wavelength be 1200 and 1800 nanometers (nm).

8. **(Currently Amended)** The VCSEL of claim 7, wherein said thermally conductive ~~cover~~ layer comprises a material from a group of GaP, SiN, AlN, BN, SiC, diamond, and the like.

***Communication Information***

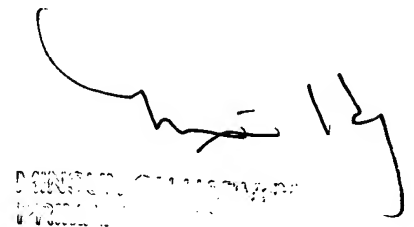
Art Unit: 2828

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F: 7:30 - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harvey Minsun can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan N. Nguyen



Handwritten signature and a rectangular stamp, likely an official seal or verification mark.

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